



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,868	11/20/2003	Hyun-kwon Chung	1293.1970	5648
49455	7590	11/30/2005		
STEIN, MCEWEN & BUI, LLP 1400 EYE STREET, NW SUITE 300 WASHINGTON, DC 20005			EXAMINER PATEL, MANGLESH M	
			ART UNIT 2178	PAPER NUMBER

DATE MAILED: 11/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

1. This action is responsive to communications: IDS filed on April 30, 2004 to the application filed on November 20, 2003.
2. Claims 1-20 are pending. Claims 1, 9, 15 and 19 are independent claims.
3. The examiner has accepted the IDS filed on April 30, 2004.

Drawings

4. The examiner has accepted the Drawings filed on April 30, 2004.

Priority

5. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 2002-79185, filed on December 12, 2002 (Republic Of Korea).

Claim Objections

6. Claim 20 is objected to because of the following informalities: The claim depends on claim 22 and is an improper dependant claim since claim 22 does not exist. It has been interpreted to refer to Independent claim 19. Appropriate correction is required.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

8. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Fortin (U.S. Pub 2002/0023110, filed Jan 23, 1998).

Regarding Independent claim 1, Fortin discloses a method of displaying a markup document linked to an applet, the method comprising:

- *Delaying display of image output information for the markup document*
(paragraphs 6-9, wherein based on user control the display of the image is delayed from the markup document);
- *And synchronously displaying the delayed image output information for the markup document and an applet output when rendering of the applet is completed*
(See figure 1 & paragraphs 55-58, wherein the delayed image from the markup document is associated with the applet output).

Regarding Dependent claim 2, Fortin discloses *wherein the delaying of the display of the image output information for the markup document comprises buffering the image output information for the markup document* (paragraph 55, wherein the computer

generates display data from the markup document, therefore buffering the image output for display).

Regarding Dependent claim 3, Fortin discloses *wherein the synchronously displaying the delayed image output information for the markup document and the applet output for an initial image of the applet comprises simultaneously providing the delayed image output information for the markup document and the applet output for the initial image of the applet to a display device based on an output control signal* (paragraph 64, wherein the applet and markup document are displayed together based on the delayed image information from the markup document).

Regarding Dependent claim 4, Fortin discloses *wherein the applet is formed of program codes having an output method different from that of the markup document* (paragraphs 64 & 65, wherein the applet contains different code in JAVA for producing different output from the markup HTML document).

Regarding Dependent claim 5, Fortin discloses *wherein the output control signal is provided from an applet executing engine, which interprets the applet, or a presentation engine, which interprets the markup document* (See figure 1 & paragraph 64, wherein the presentation engine includes the server).

Regarding Dependent claim 6, Fortin discloses *wherein the delaying of the display of the image output information for the markup document comprises buffering text output of the markup document and buffering at least one of an image output and an audio output of the markup document* (paragraphs 80 & 81, wherein the delay of the image includes buffering of text output and markup document).

Regarding Dependent claim 7, Fortin discloses *wherein the buffering comprises buffering text output of the markup document and buffering at least one of an image output and an audio output of the markup document* (paragraphs 53-57, wherein buffering includes image output).

Regarding Dependent claim 8, Fortin discloses *wherein the delaying of the display of the image output information for the markup document comprises buffering text output of the markup document and buffering at least one of an image output and an audio output of the markup document* (paragraphs 53-57, wherein the delay of the image includes the buffering or image output from the markup document).

Regarding Independent claim 9, Fortin discloses an information storage medium controlling a computer, comprising:

- *A markup document* (See figure 1 & paragraph 75, wherein the computer includes a markup document used for rendering image with a browser);

Art Unit: 2178

- *And an applet linked to the markup document, wherein the applet or the markup document includes markup image output delay information used to delay display of the markup document (See figure 1, wherein the applet is related to the markup document that includes delay information).*

Regarding Dependent claim 10, Fortin discloses *wherein the applet executes in any one state of an initial state, a start state, a stop state, and a destroy state (paragraph 64, wherein the applet includes an initial state).*

Regarding Dependent claim 11, Fortin discloses *wherein the applet includes a delay function as the markup image output delay information for synchronizing display of image output information of the markup document with display of output information of the applet (paragraphs 61-63, wherein delay information based on user input is applied to the applet).*

Regarding Dependent claim 12, Fortin discloses *wherein the applet includes a delay function during the start state as the markup image output delay information for synchronizing display of image output information of the markup document with display of output information of the applet (paragraphs 71-74, wherein the applet includes delay information during the initial state based on user input).*

Regarding Dependent claim 13, Fortin discloses wherein the applet comprises:

- *A delay function as the markup image output delay information, which delays display of image output information for the markup document (paragraphs 77-79, wherein the delay information is associated with the markup document);*
- *And a delay cancel function canceling the delay of the display of the image output information for the markup document, when rendering of an initial image of the applet is completed by the initial and start states of the applet (paragraphs 81-82, wherein the delay is canceled for the image output from the markup document based on user input).*

Regarding Dependent claim 14, Fortin discloses *wherein the markup document comprises tag or attribute indication information as the markup image output delay information to control synchronous display of output of the markup document with output of the applet (paragraphs 53-56, wherein the markup document includes tags and attributes for specifying the delay information associated with the applet).*

Regarding Independent claim 15, Fortin discloses a computer system with a display device, comprising:

- *A presentation engine, which interprets a markup document to provide image output information for the markup document; and an applet executing engine, which interprets an applet linked to the markup document to provide an applet output, wherein the presentation engine delays display of the image output information for the markup document, and synchronizes and outputs the*

delayed image output information of the markup document and the applet output to the display device, when an output control signal indicating completion of rendering of the applet output is input from the applet executing engine (See figure 1 & paragraphs 55-58, wherein the presentation engine includes the server used to direct the applet with the browser thereby linking it with the markup document prior to display).

Regarding Dependent claim 16, Fortin discloses *wherein the presentation engine comprises a buffer buffering the image output information of the markup document to delay the display of the image output information for the markup document, in response to a markup image output delay signal input from the applet executing engine (See figure 1, paragraphs 55-58, wherein buffering for displaying the image for the applet and markup document include a signal input from the applet engine, shown as reference numeral 34).*

Regarding Dependent claim 17, Fortin discloses *wherein the presentation engine comprises an audio buffer, which buffers audio output, and a video buffer, which buffers video output, of the image output information of the markup document and/or of the applet output to delay the display of the image output information for the markup document, in response to the output control signal input from the applet executing engine (See figure 1 & paragraphs 57 & 81-82, wherein the presentation engine represented by the server includes a buffering of*

audio/video).

Regarding Dependent claim 18, Fortin discloses *wherein the markup image output delay signal is set according to an amount of rendering time of the markup document and/or the applet* (paragraphs 74-75 & 82, wherein the delay is set by the user and includes the rendering time of an applet or markup document).

Regarding Independent claim 19, Fortin discloses *a computer with a display device, comprising: a programmed computer processor controlling synchronous output of a markup document image including a linked applet image to the display device, according to display control information in the markup document and/or in the applet* (See figure 1 & paragraphs 68-70, wherein a display is used to render the applet and markup document image which includes synchronous output for display).

Regarding Dependent claim 20, Fortin discloses *wherein the programmed computer processor controls an order of rendering of the markup document image and the linked applet image according to the display control information to synchronously display the markup document image and the linked applet image* (paragraphs 69-74, wherein the controls for the displaying of the markup document via browser and applet is based on the display control used for synchronously displaying image for applet and markup document).

Art Unit: 2178

References to specific columns, figures or lines should not be limiting in any way. The entire reference provides disclosure related to the claimed invention.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Manglesh M. Patel whose telephone number is (571) 272-5937. The examiner can normally be reached on M,F 8:30-6:00 T,TH 8:30-3:00 Wed 8:30-7:00.

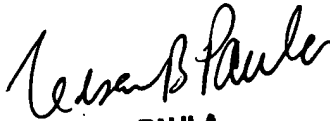
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen S. Hong can be reached on (571)272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Manglesh M. Patel

Patent Examiner

November 22, 2005


CESAR PAULA
PRIMARY EXAMINER